

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A zeolite catalyst consisting essentially of grains, each grain being formed by a zeolite core covered by at least one external zeolite layer having a different crystallographic structure than that of the core, the core consisting essentially of an acidic crystallized microporous solid zeolite and having a size of between about 0.5 micron and about 20 microns, wherein the external layer is a crystallized microporous solid zeolite and has a uniform thickness with a uniformity criterion, C , which is less than 0.30, whereby said uniformity criterion C is defined as being equal to an average, on a number N of catalyst grain samples, of the ratio of the difference between the maximum thickness, $E_{i_{\max}}$, of the external layer and the minimum thickness, $E_{i_{\min}}$, of this same layer to the average of these two thicknesses $E_{i_{\max}}$ and $E_{i_{\min}}$, and with the provision that the grains have a spherical shape and have an overall average thickness of the external layer of between 0.1 and 10 microns yielding a maximum average grain size of about 40 microns.

2. (Previously Presented) A catalyst according to claim 1, wherein at least 95% of the surface of the core of the grains is covered by at least one external layer.

3. (Previously Presented) A catalyst according to claim 1, wherein the chemical composition of the core is different from that of the external layer.

4. (Cancelled)

5. (Cancelled)

6. (Previously Presented) A catalyst according to claim 1, wherein the crystallized microporous solid of the external layer has pores that have a diameter of between 0.1 and 2 nm.

7. (Cancelled)
8. (Previously Presented) A catalyst according to claim 1, wherein N is at least 100.
9. (Previously Presented) A catalyst according to claim 1, wherein the uniformity criterion C is less than 0.2.
10. (Previously Presented) A catalyst according to claim 1, wherein the uniformity criterion C is less than 0.1.
11. (Previously Presented) A catalyst according to claim 9, wherein N is at least 100.
12. (Previously Presented) A catalyst according to claim 10, wherein N is at least 100.
13. (Previously Presented) A catalyst according to claim 12, wherein at least 99% of the surface of the core of the grains is covered by at least one external layer.
14. (Previously Presented) A catalyst according to claim 1, wherein the grains consist essentially of a beta zeolite layer on a Y zeolite core and the uniformity Criterion is about 0.1.
15. (Previously Presented) A catalyst according to claim 1, comprising grains consisting essentially of a silica lite-1 zeolite layer on a beta zeolite core and wherein the silica lite-1 layer has an average thickness of about 1100 nm and a uniformity Criterion of about 0.08.
16. (Previously Presented) A catalyst according to claim 1, wherein the crystallized microporous solid of the external layer has pores that have a diameter of between 0.1 and 1.5 nm.
17. (Previously Presented) A catalyst according to claim 1, wherein the crystallized microporous solid of the external layer has pores that have a diameter of between 0.1 and 1 nm.